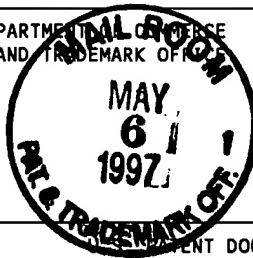


Sheet 1 of 4

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEDocket Number (optional)
NIP 055 PAApplication Number
08/794,475INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicants
Nippert et al.Filing Date
February 4, 1997Group Art Unit
2406 1742

PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA	AA	1	8	4	8	0	8	3	03/04/32 1932	Wetherald			
CA	AB	2	1	3	8	3	8	8	11/29/38 1938	Platz			
CA	AC	2	2	5	7	5	6	6	09/30/41 1941	Lewis			
CA	AD	2	4	0	2	6	4	6	06/25/46 1946	Leathers			
CA	AE	2	4	1	1	8	5	9	12/03/46 1946	Harwood			
CA	AF	2	4	3	7	7	4	0	03/16/48 1948	Haynes			
CA	AG	2	4	4	0	4	6	3	04/27/48 1948	Cornwall			
CA	AH	2	4	4	6	9	3	2	08/10/48 1948	Johnson			
CA	AI	2	4	7	2	1	7	3	06/07/49 1949	Powell			
CA	AJ	2	7	6	1	9	5	3	09/04/56 1956	Kerr			
CA	AK	2	7	8	0	7	1	8	02/05/57 1957	Mullen			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
CA	AL		6	6	1	9	7	8	11/28/51 1951	United Kingdom				N/A
CA	AM		9	4	1	9	4	7	11/20/63 1963	United Kingdom				N/A
CA	AN	1	1	5	4	3	2	3	06/04/69 1969	United Kingdom				N/A
CA	AO	1	1	7	7	3	5	1	01/14/70 1970	United Kingdom				N/A
CA	AP	1	5	9	3	8	9	5	01/22/81 1981	United Kingdom				N/A

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	Nadkarni et al., "A New Dispersion-Strengthened Copper," <u>Metals Engineering Quarterly</u> , pp. 10-15, August 1976											
CA	AS	SCM Metal Products, Inc. Technical Report, "Resistance Welding with GlidCop® Copper Dispersion Strengthened with Aluminum Oxide," pp. 1-16, November 15, 1994											
	AT												

EXAMINER

C. SHAW

DATE CONSIDERED

8/14/98

*EXAMINER: Initial if reference considered, whether or not reference is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 4

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Docket Number (optional) NIP 055 PA		Application Number 08/794,475								
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicants Nippert et al.										
				Filing Date February 4, 1997		Group Art Unit 2106 1742								
U.S. PATENT DOCUMENTS														
*EXAMINER INITIAL	CLASS	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>CA</i>	AA	2	7	9	5	6	8	8	06/14/57 1957	McCaffrey, Sr.				
<i>CA</i>	AB	2	7	9	6	5	1	4	06/18/57 1957	Wood				
<i>CA</i>	AC	2	8	2	9	2	3	9	04/01/58 1958	Boretti				
<i>CA</i>	AD	2	9	8	6	2	7	3	05/30/61 1961	Bardgett				
<i>CA</i>	AE	3	1	0	9	0	8	7	10/29/63 1963	Larkworthy				
<i>CA</i>	AF	3	1	8	4	8	3	5	05/25/65 1965	Coxe et al.				
<i>CA</i>	AG	3	1	9	7	6	4	3	08/03/65 1965	Nippert				
<i>CA</i>	AH	3	1	9	7	8	5	7	08/03/65 1965	Nippert				
<i>CA</i>	AI	3	6	3	4	9	3	4	01/18/72 1972	Fitzgerald				
<i>CA</i>	AJ	3	7	7	9	7	1	4	12/18/73 1973	Nadkarni et al.				
<i>CA</i>	AK	3	8	0	3	8	9	2	04/16/74 1974	Yamaguchi et al.				
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	AL													
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EXAMINER <i>C. SHAW</i>										DATE CONSIDERED <i>8/14/98</i>				
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Sheet 3 of 4

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Docket Number (optional) NIP 055 PA	Application Number 08/794,475
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicants Nippert et al.	
		Filing Date February 4, 1997	Group Art Unit 2406/742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	CLASS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA	AA	3 8 8 4 6 7 6	05/20/75 1975	Nadkarni et al.			
CA	AB	3 8 9 3 8 4 4	07/08/75 1975	Nadkarni			
CA	AC	3 9 0 9 5 8 1	09/30/75 1975	Stone et al.			
CA	AD	3 9 6 9 1 5 6	07/13/75 1975	Wallbaum			
CA	AE	4 0 4 5 6 4 4	08/30/77 1977	Shafer et al.			
CA	AF	4 0 7 1 9 4 7	02/07/78 1978	Nippert			
CA	AG	4 2 8 8 0 2 4	09/08/81 1981	Nippert			
CA	AH	4 3 4 5 1 3 6	08/17/82 1982	Nippert			
CA	AI	4 4 2 3 6 1 7	01/03/84 1984	Nippert			
CA	AJ	4 5 8 8 8 7 0	05/13/86 1986	Nadkarni et al.			
CA	AK	4 9 5 4 6 8 7	09/04/90 1990	Bush et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER <div style="font-family: cursive; font-size: 1.2em;">C. SHAW</div>	DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em;">8/14/98</div>
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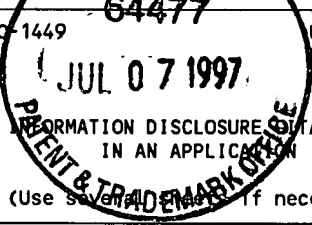
Sheet 4 of 4

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Docket Number (optional) NIP 055 PA		Application Number 08/794,475									
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicants Nippert et al.											
				Filing Date February 4, 1997		Group Art Unit 2106/742									
U.S. PATENT DOCUMENTS															
*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<i>CA</i>	AA	5	0	1	5	8	1	6	05/14/91 <i>1991</i>	Bush et al.					
<i>CA</i>	AB	5	3	3	4	8	1	4	08/02/94 <i>1994</i>	Nosetani et al.					
<i>CA</i>	AC	5	5	5	2	5	7	3	09/03/96 <i>1996</i>	Okita et al.					
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicant Nippert et al									
				Filing Date February 4, 1997		Group Art Unit <u>2106/1742</u>							
U.S. PATENT DOCUMENTS													
*EXAMINER INITIAL	AA	DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
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										YES NO			
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	AO												
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<u>C. SHAW</u>						<u>8/14/98</u>							
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		Applicants Nippert et al.													
		Filing Date February 4, 1997		Group Art Unit 2106 <u>1742</u>											
U.S. PATENT DOCUMENTS															
*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
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FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
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<u>G</u>	AL	9	0	7	6	0	7	4	03/25/97 1997	Japan				X**	
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)															
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**Abstract only

Sheet 1 of 1

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(Use several sheets if necessary)

Applicants
Nippert et al.Filing Date
February 4, 1997Group Art Unit
2106-1742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
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GROUP 2100

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	Brochure, Resistance Welding Electrode, Centerline, Windsor, Ontario, Canada, 1997
CA	AS	Brochure, Resistance Welding Products, CMW Inc., Indianapolis, Indiana, 1993
CA	AT	Brochure, Refractory metal-faced tips, Tuffaloy Products, Greer, South Carolina, 1993

EXAMINER

C. SHAW

DATE CONSIDERED

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